

Environmental Impact

- LBAM has the potential to devastate California's natural ecosystems, further threatening endangered flora and fauna species
- Establishment of this moth will cause direct environmental damage via increased pesticide use by commercial and residential growers.

How Does This Pest Spread?

- This pest has previously been intercepted on foreign produced commodities such as fruits, vegetables and cut flowers.
- LBAM is most likely to spread via people moving infested plants, fruits and vegetables.



Larval feeding damage on
an avocado



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Light Brown Apple Moth (LBAM)

*Have you seen
this Pest?*



To report a suspect pest
call:

1-800-491-1899

**California
Department of Food
and Agriculture**
or your
**County Agriculture
Commissioner**

Where Does it Originate?

- This moth is originally from Australia, and has become established in New Zealand, New Caledonia, Hawaii and the British Isles.
- It has been recently discovered in portions of the San Francisco Bay Area.

What to Look For?



If you see signs of damage or the pest itself, call 1-800-491-1899

What does its Presence in California Mean?

- Because California has such a diverse range of agriculture and natural plant life, this makes California highly susceptible to exotic pest invaders.
- LBAM is an exotic pest species, meaning it does not naturally occur here and it has no natural enemies to reduce its population.
- LBAM has a broad host plant range, meaning it feeds on and damages plants and trees of a wide variety.
- Over 250 plants are at risk of being attacked by this moth. This includes but is not limited to: apple, pear, citrus, peach, avocado, oak, willow, walnut, pine, eucalyptus, roses, jasmine, strawberry, table and wine grapes, berries and other ornamental shrubs, bushes and trees.

Trapping Methods



Traps like the one above, are placed in host trees. The trap has a pheromone used to attract male LBAM. It has a sticky card placed in the bottom of the triangle to capture the insect.

How Significant is LBAM to You?

- If you are a gardener, LBAM can potentially ruin your vegetable and flower gardens.
- This pest attacks native and ornamental, fruit and vegetable plants and has the potential to severely damage residential landscapes, orchards and agricultural crops including grapes.

Economic Impact

As shown in this US map, over 80% of the country has a climate that can support LBAM. Bay Area climate is conducive to LBAM growth, development and establishment. If this exotic pest is not eradicated in a timely manner, the annual economic loss would exceed **\$70 million** in lost jobs and infrastructure. Since the host list is so broad, the entire impact to California will be more than \$100 million in economic losses. California is the nation's leader in agricultural exports and in 2003 shipped more than \$7.2 billion in both food and agricultural commodities around the world.

